

regions forming the array of materials.

73  
conceded  
20 75. The apparatus of claim 19, further comprising an apparatus for screening members of the array for a common selected property.

PP  
5/3/02  
REMARKS

In the Office Action mailed March 20, 2002, the Examiner rejected certain claims 43-46, 48-57 and 70-81, under either or both of 35 U.S.C. 112 (alleged indefiniteness) or for alleged obviousness type double patenting.

Applicants disagree with the Examiner but, at the request of the Examiner, but have amended the claims to clarify that the spatially addressable electrodes are working electrodes, and make these remarks to clarify that the "at least one other electrode" is intended to cover an additional electrode, such as a counter electrode. It may also refer to a reference electrode, such as in instances where two electrode systems are employed, and the counter electrode also serves as the reference electrode. Accordingly, Applicants believe that the skilled artisan will readily appreciate the above, particularly with reference to the teachings of Applicants' specification, such as at pages 11 and 12 (addressing other electrodes too). This rejection is therefore believed to be obviated.

As for the Examiner's assertion regarding the use of the "means" clause, Applicants are confused by the Examiner's rejection. Applicants believe that the term "screening" is the function, and that a proper means plus function recitation has been included. In the interest of expediting prosecution, however, and for purposes of addressing this formality, Applicants have substituted in claims 70-73 and 75 what Applicants believe, in this case, to be the synonymous clause "screening apparatus". Applicants believe that the skilled artisan will readily understand such term, particularly with reference to pages 23-25, at which a host of illustrative examples are identified, which are among those that would fall within the claim. The rejection now being moot, Applicants respectfully request its withdrawal.

Finally, Applicants submit herewith a Terminal Disclaimer for purposes of obviating the Obviousness Type Double Patenting rejection. Withdrawal of that rejection is also respectfully requested.

The foregoing amendments are taken in the interest of expediting prosecution and there is no intention of surrendering any range of equivalents to which Applicant would otherwise be entitled in view of the prior art.

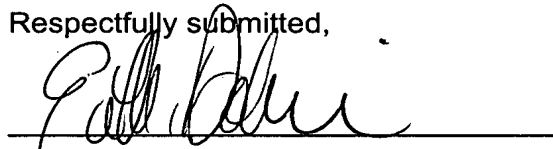
### Conclusions

In view of Applicants' amendments and remarks, the Examiner's rejections are believed to be rendered moot. Accordingly, Applicants submit that the present application is in condition for allowance and request that the Examiner pass the case to issue at the earliest convenience. Should the Examiner have any question or wish to further discuss this application, Applicants request that the Examiner contact the undersigned at (248) 593-9900.

If for some reason Applicants have not requested a sufficient extension and/or have not paid a sufficient fee for this response and/or for the extension necessary to prevent the abandonment of this application, please consider this as a request for an extension for the required time period and/or authorization to charge Deposit Account No. 50-0496 for any fee which may be due.

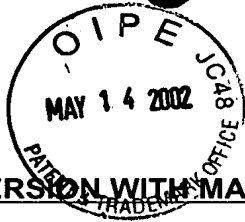
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Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

43. An apparatus for making an array of materials by electrochemical deposition and for screening members of the array of materials for an electrical property, the apparatus comprising:

a substrate having spatially addressable working electrodes corresponding to the members of the array of materials;

at least one other electrode, the at least one other electrode and the spatially addressable working electrodes adapted to apply an independently variable electrical potential between the spatially addressable working electrodes and the at least one other electrode so that when the substrate and the at least one other electrode contact a solution containing ions, ions in said solution undergo chemical reaction at the spatially addressable working electrodes forming the array of materials, wherein at least two members of the array of materials have different compositions;

a detector for measuring the electrical property of the members of the array of materials, with the spatially addressable working electrodes electrically connected to the detector; and

reference electrodes having ends located adjacent ends of the spatially addressable electrodes;

wherein the spatially addressable working electrodes, the at least one other electrode and the reference electrodes are adapted to apply the independently variable electrical potential between each of the spatially addressable working electrodes [electrode] and the at least one other electrode.

44. The apparatus of claim 43, wherein the spatially addressable working electrodes are embedded within the substrate.

45. The apparatus of claim 43, wherein ends of the spatially addressable working electrodes are disposed on a surface of the substrate.

46. The apparatus of claim 43, wherein the substrate is a resistive material that provides a substantially continuous electrical potential that varies between

adjacent spatially addressable working electrodes.

50. The apparatus of claim 43, wherein the ions undergo redox reaction at the spatially addressable working electrodes forming the array of materials.